

FIG. 1

211
 <Customer_A>
 212
 <Offer>
 213
 <Items>
 214
 <service_item>
 215
 <Item_number> 1 </Item_number>
 216 217
 <Computer_Programming>
 <Wireless Device Programming>
 <Protocol> WAP </Protocol>
 <Protocol> 802.11 </Protocol>
 218 <Device> Palm</Device>
 <Device> Handspring</Device>
 <Device> Ericsson </Device>
 </Wireless Device Programming>
 219 <Skill_level> High </Skill_level>
 220 <Number_of_Hours> 40.00 </Number_of_Hours>
 <Monetary_value Currency="USD" Priority=2>
 221 2000 </Monetary_value>
 </Computer_Programming>
 </service_item>
 </Items>
 </Offer>

FIG. 2A

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 20710

222
 <Need>
 223
 <Items>
 224
 <Choices>
 225
 <Choice Priority = 1>
 1 and 4
 </Choice>
 226
 <Choice Priority = 2>
 (2 and 3 and 4)
 </Choice>
 </Choices>
 227
 <Product_item Item_number = 1 Priority = 2>
 228
 <Furniture>
 229
 <Dining_Table>
 <Manufacturer> "E Allen" </Manufacturer>
 <Number_of_Chairs> 6 </Number_of_Chairs>
 <Model> Durango </Model>
 <Color> Cherry </Color>
 231
 <Monetary_value Currency="USD" Priority=3>
 1800 </Monetary_value>
 </Dining_Table>
 </Furniture>
 </Product_item>

FIG. 2B

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239 / 237 238
 <Product_item Item_number = 2 Priority = 2>
 <Furniture>
 <Dining_Table>
 <Manufacturer> LackStore </Manufacturer>
 <Number_of_Chairs> 6 </Number_of_Chairs>
 <Model> Corona </Model>
 <Color> Brown </Color>
 241 — <Monetary_value Currency="USD" Priority=1>
 1500 </Monetary_value>
 </Dining_Table>
 </Furniture>
 </Product_item> 247 248
 <Service_item Item_number = 3 Priority = 3>
 <Landscaping>
 246 / <Service_Offered> Lawn-Mowing </Service_Offered>
 249 <Number_of_times> 10 </Number_of_times>
 251 — <Monetary_value Currency="USD" Priority=1>
 300 </Monetary_value>
 </Landscaping>
 </Service_item>

FIG. 2C

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202

256 / <Product_item Item_number = 4 Priority = 1>
259 / <Merchandise> 257 258
261 / <Sports_cards>
261 / <Sport> Baseball </Sport>
261 / <Player> "Babe Ruth" </Player>
261 / <Monetary_value Currency="USD" Priority=3>
261 / 200 </Monetary_value>
261 / </Sports_cards>
261 / </Merchandise>
261 / </Product_item>
261 / </items>
261 / </Need>
261 / </Customer_A>

FIG. 2D

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-265

- 266

267

<Dining_Table> - 268

<Manufacturer> "E Allen" </Manufacturer>

<Model> Durango </Model>

269 - <Monetary_value Currency="USD" Priority=3>
1800 </Monetary_value>

</Dining_Table>

</Product_item>

<Merchandise>

278

<Sport> Baseball </Sport>

279 — <Monetary_value Currency="USD" Priority=3>
200 </Monetary_value>

</Sports_cards>

</Product_item>

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281
282
<Choice Number = 2 Priority = LEAST_DESIRABLE>
283
<Product_item Priority = DESIRABLE>
<Furniture>
<Dining_Table>
<Manufacturer> LackStore </Manufacturer>
<Number_of_Chairs> 6 </Number_of_Chairs>
<Model> Corona </Model>
<Color> Brown </Color>
284 - <Monetary_value Currency="USD" Priority=1>
1500 </Monetary_value>
</Dining_Table>
</Furniture>
</Product_item>

FIG. 2F

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<Service_item Priority = LEAST_DESIRABLE>
  <Landscaping>
    288 - <Service_Offered> Lawn-Mowing </Service_Offered>
          <Number_of_times> 10 </Number_of_times>
          289 - <Monetary_value Currency="USD" Priority=1>
                  300 </Monetary_value>
          </Landscaping>
  </Service_item>
  <Product_item Priority = MUST_HAVE>
    <Merchandise> 290
      <Sports_cards>
        <Sport> Baseball </Sport>
        <Player> "Babe Ruth" </Player>
        291 - <Monetary_value Currency="USD" Priority=3>
                200 </Monetary_value>
        </Sports_cards>
      </Merchandise>
    </Product_item>
  </Choice>
</Need>

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FIG. 2G

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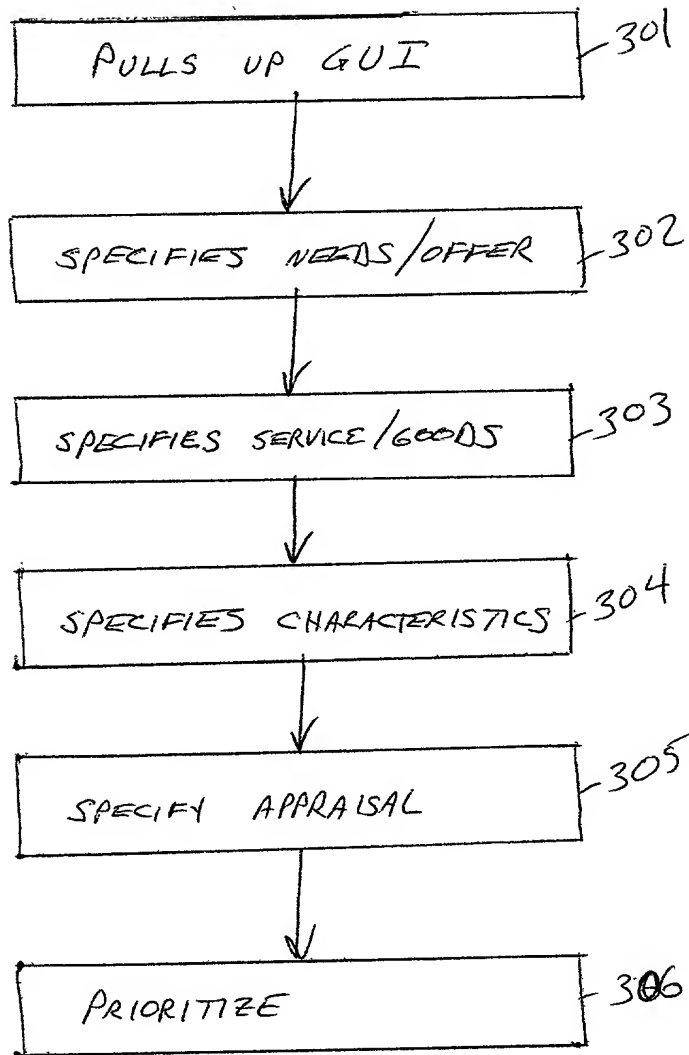


FIG. 3

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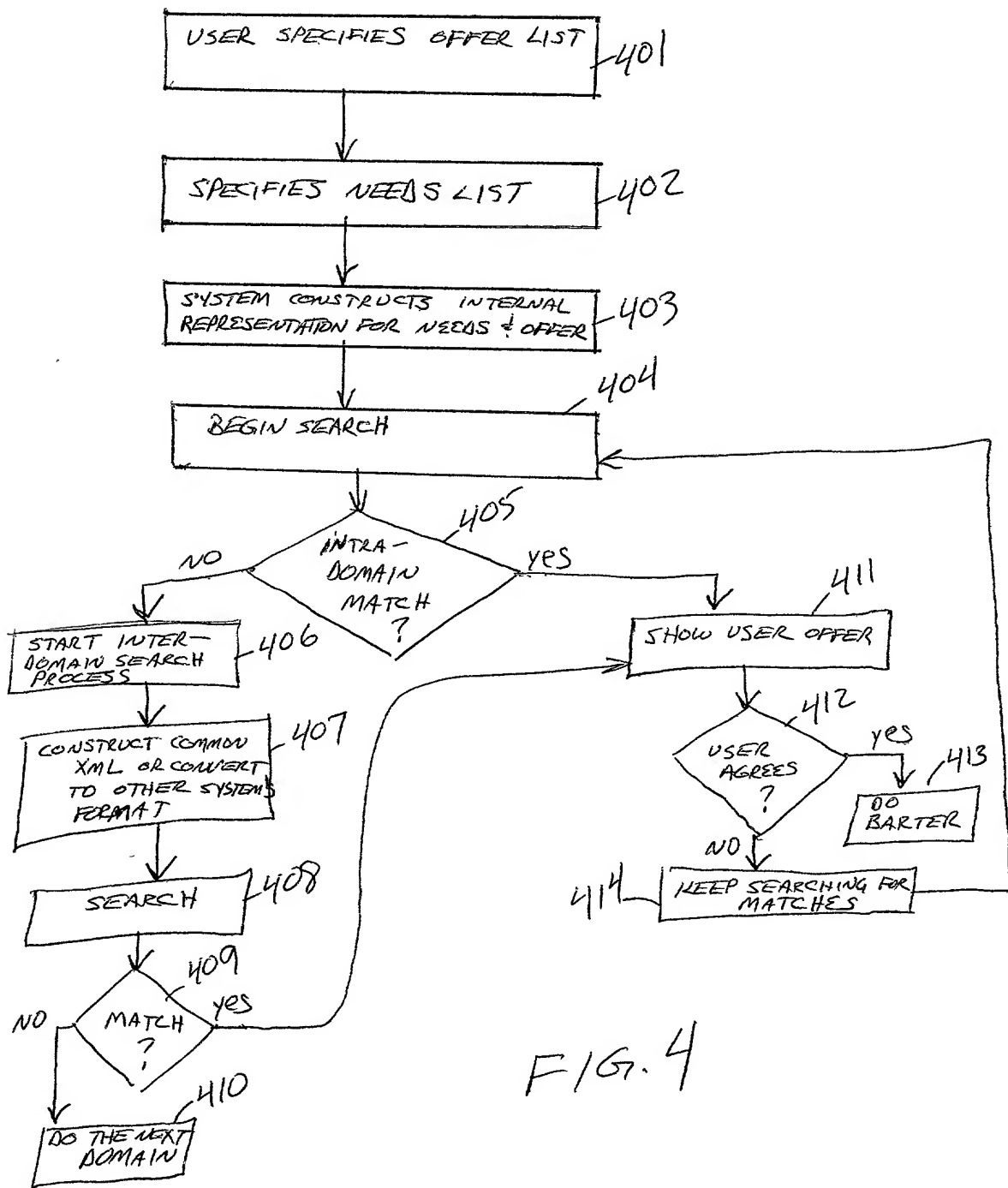


FIG. 4

AUS920020025451
10 07 10